

FILE 'REGISTRY' ENTERED AT 11:00:22 ON 22 SEP 2009

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> e fatty acid hydroperoxide lyase/cn

E1 1 FATTY ACID ETHYL ESTER HYDROLASE/CN
E2 1 FATTY ACID ETHYL ESTER SYNTHASE/CN
E3 1 --> FATTY ACID HYDROPEROXIDE LYASE/CN
E4 1 FATTY ACID HYDROPEROXIDE LYASE (CAPSICUM ANNUUM CLONE PF23M)
/CN
E5 1 FATTY ACID HYDROPEROXIDE LYASE (HUMULUS LUPULUS FRAGMENT)/CN
E6 1 FATTY ACID HYDROPEROXIDE LYASE (TOMATO GENE HPL)/CN
E7 1 FATTY ACID HYDROXYLASE/CN
E8 1 FATTY ACID HYDROXYLASE (CYTOPHAGA HUTCHINSONII STRAIN ATCC 3
3406)/CN
E9 1 FATTY ACID HYDROXYLASE (FAH1) (ARABIDOPSIS THALIANA GENE AT2
G34770)/CN
E10 1 FATTY ACID HYDROXYLASE (FRANCISELLA TULARENSIS HOLARCTICA ST
RAIN OSU18)/CN
E11 1 FATTY ACID HYDROXYLASE (FRANCISELLA TULARENSIS TULARENSIS ST
RAIN FSC 198)/CN
E12 1 FATTY ACID HYDROXYLASE (FRANCISELLA TULARENSIS TULARENSIS ST
RAIN SCHU S4)/CN

=> Se3

L1 1 "FATTY ACID HYDROPEROXIDE LYASE"/CN

=> D L1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN

RN 71833-11-9 REGISTRY

ED Entered STN: 16 Nov 1984

CN Lyase, hydroperoxide (CA INDEX NAME)

OTHER NAMES:

CN Fatty acid hydroperoxide lyase

CN Hydroperoxide lyase

CN Linoleic acid hydroperoxide cleavage enzyme

MF Unspecified

CI MAN

LC STN Files: AGRICOLA, ANABSTR, BIOSIS, CA, CAPLUS, CASREACT, TOXCENTER,
USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

259 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

261 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file Anaabstr, Agricola, Biosis, caba, caplus, casreact, frosti, fsta

FILE 'ANABSTR' ENTERED AT 11:04:54 ON 22 SEP 2009

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FILE 'AGRICOLA' ENTERED AT 11:04:54 ON 22 SEP 2009

FILE 'BIOSIS' ENTERED AT 11:04:54 ON 22 SEP 2009

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FILE 'CABA' ENTERED AT 11:04:54 ON 22 SEP 2009

COPYRIGHT (C) 2009 CAB INTERNATIONAL (CABI)

FILE 'CAPLUS' ENTERED AT 11:04:54 ON 22 SEP 2009

=> malt or (germinated (2a) grain#)

L2 47229 MALT OR (GERMINATED (2A) GRAIN#)

=> ("RN-71833-11-9") or (Lyase, hydroperoxide) or (Fatty acid hydroperoxide lyase)

L3 201 ("RN-71833-11-9") OR (LYASE, HYDROPEROXIDE) OR (FATTY ACID HYDROPEROXIDE LYASE)

=> ("Hydroperoxide lyase") or ("Linoleic acid hydroperoxide cleavage enzyme")

L4 1177 ("HYDROPEROXIDE LYASE") OR ("LINOLEIC ACID HYDROPEROXIDE CLEAVAGE ENZYME")

=> ("HPO LYASE")

L5 64 ("HPO LYASE")

=> L3 or L4 or L5

L6 1179 L3 OR L4 OR L5

=> ((Fatty acid#) (a) (hydroperoxide#)) or (hydro peroxide#)

L7 1652 ((FATTY ACID#) (A) (HYDROPEROXIDE#)) OR (HYDRO PEROXIDE#)

=> aldehyde# (5a) degrad?

L8 1195 ALDEHYDE# (5A) DEGRAD?

=> barley or hordeum or grain# or wheat or triticum or triticale or rye

L9 1665729 BARLEY OR HORDEUM OR GRAIN# OR WHEAT OR TRITICUM OR TRITICALE OR RYE

=> l2 and l6

L10 16 L2 AND L6

=> L7 and L10

L11 16 L7 AND L10

=> L8 and L10

L12 0 L8 AND L10

=> l9 and L10

L13 13 L9 AND L10

=> l6 and l8

L14 6 L6 AND L8

=> l2 and l14

L15 0 L2 AND L14

=> l2 and l8

L16 3 L2 AND L8

=> l9 and l14

L17 0 L9 AND L14

=> l9 and l16

L18 0 L9 AND L16

=> l2 and L6

L10 16 L2 AND L6

=> L7 and L10

L11 16 L7 AND L10

=> L8 and L10

L12 0 L8 AND L10

=> l9 and L10

L13 13 L9 AND L10

=> l6 and l8

L14 6 L6 AND L8

=> l2 and l14

L15 0 L2 AND L14

=> l2 and l8

L16 3 L2 AND L8

=> l9 and l14

L17 0 L9 AND L14

=> l9 and l16

L18 0 L9 AND L16

=> L11 and L13

L19 13 L11 AND L13

=> L14 and L19

L20 0 L14 AND L19

=> L16 and L19

L21 0 L16 AND L19

=> L19 and (conc? or rate or quantif? or measur? or analy?)

L22 6 L19 AND (CONC? OR RATE OR QUANTIF? OR MEASUR? OR ANALY?)

=> l* and L22

L23 0 L* AND L22

=> l8 and L22

L24 0 L8 AND L22

=> l8 and L11

L25 0 L8 AND L11

=> l8 and l13

L26 0 L8 AND L13

=> l8 and l14

L27 6 L8 AND L14

=> l22 and l27

L28 0 L22 AND L27

=> l6 and l10

L29 16 L6 AND L10

=> l7 and l29

L30 16 L7 AND L29

=> l2 and l30

L31 16 L2 AND L30

=> l9 and l31

L32 13 L9 AND L31

=> l8 and l31

L33 0 L8 AND L31

=> L27 and L32

L34 0 L27 AND L32

=> d L27 1-6

L27 ANSWER 1 OF 6 ANABSTR COPYRIGHT 2009 RSC on STN

AN 65(5):H447 ANABSTR

TI Purification of hydroperoxide lyase from green bell pepper (*Capsicum annuum* L.) fruits for the generation of C6-aldehydes in vitro.

AU Husson, F.; Belin, J. M.* (Florence.Husson@u-bourgogne.fr, Lab. Biotechnol., Equipe Ing. Mol. et Sensorielle Aliments, Univ. Bourgogne, 21 000 Dijon, France)

SO J. Agric. Food Chem. (2002) 50(7), 1991-1995

CODEN: JAFCAU ISSN: 0021-8561

DT Journal

LA English

L27 ANSWER 2 OF 6 CABA COPYRIGHT 2009 CABI on STN

AN 2001:105762 CABA

DN 20013093506

TI Divinyl ether synthase in plants: a review

Synthese bibliographique : la divinyl ether synthase de plantes

AU Hoyaux, P.; Fauconnier, M. L.; Delcarte, J.; Jardin, P. du; Marlier, M.; du Jardin, P.

CS Unite de Chimie generale et organique, Faculte universitaire des Sciences agronomiques de Gembloux, Passage des Deportes, 2. B-5030 Gembloux, Belgium.

SO Biotechnologie, Agronomie, Societe et Environnement, (2001) Vol. 5, No. 2, pp. 79-84. 14 ref.

Publisher: Faculte Universitaire des Sciences Agronomiques. Gembloux

ISSN: 1370-6233

CY Belgium

DT Journal

LA French

SL English

ED Entered STN: 4 Oct 2001

Last Updated on STN: 4 Oct 2001

L27 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2002:586277 CAPLUS

DN 138:22170

TI Metabolic profiling of oxylipins in germinating cucumber seedlings - lipoxygenase-dependent degradation of triacylglycerols and biosynthesis of volatile aldehydes

AU Weichert, Heiko; Kolbe, Adelheid; Kraus, Angelika; Wasternack, Claus; Feussner, Ivo

CS Institute of Plant Genetics and Crop Plant Research (IPK), Gatersleben, 06466, Germany

SO Planta (2002), 215(4), 612-619

CODEN: PLANAB; ISSN: 0032-0935

PB Springer-Verlag

DT Journal

LA English

OSC.G 23 THERE ARE 23 CAPLUS RECORDS THAT CITE THIS RECORD (23 CITINGS)

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2001:570710 CAPLUS

DN 135:284802

TI Divinyl ether synthase in plants: A review

AU Hoyaux, Phryne; Fauconnier, Marie-Laure; Delcarte, Jerome; du Jardin, Patrick; Marlier, Michel

CS Unite de Chimie generale et organique. Faculte universitaire des Sciences

agronomiques de Gembloux, Gembloux, B-5030, Belg.
SO Biotechnologie, Agronomie, Societe et Environnement (2001), 5(2), 79-84
CODEN: BASEFI; ISSN: 1370-6233
PB Bibliotheque de la Faculte Universitaire des Sciences Agronomiques de
Gembloux
DT Journal; General Review
LA French
OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1999:279775 CAPLUS
DN 130:295620

TI Process for the production of degradation products of fatty acids
IN Hausler, Alex; Ehret, Charles; Binggeli, Eva
PA Givaudan-Roure (International) SA, Switz.
SO Eur. Pat. Appl., 9 pp.
CODEN: EPXXDW

DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 911414	A1	19990428	EP 1998-810977	19980928
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
SG 72870	A1	20000523	SG 1998-4014	19981005
BR 9804026	A	20000404	BR 1998-4026	19981020
CA 2251440	A1	19990423	CA 1998-2251440	19981021
CA 2251440	C	20030722		
ZA 9809645	A	19990423	ZA 1998-9645	19981022
JP 11221091	A	19990817	JP 1998-301374	19981022
EG 21267	A	20010530	EG 1998-1284	19981022
US 6150145	A	20001121	US 1998-177354	19981023

PRAI EP 1997-810790 A 19971023
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OSC.G 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 6 OF 6 FSTA COPYRIGHT 2009 IFIS on STN
AN 1998(03):J0434 FSTA
TI Purification of soybean lipoxygenase isoenzyme-1 and characterization of
its inhibition by 13-hydroperoxides.
AU Fauconnier, M. L.; Marlier, M.
CS UER de Chimie Generale et Organique, Fac. Univ. des Sci. Agronomiques,
B-5030 Gembloux, Belgium
SO Grasas y Aceites, (1996), 47 (4) 242-246, 16 ref.
ISSN: 0017-3495
DT Journal
LA English
SL Spanish